

IN THE CLAIMS

Kindly amend the claims as follows:

D7 Sub F1
~~Claim 3. (Twice Amended) The process according to claim 1, characterized in that sodium silicate, laminar silicates or silicic acids are used as the silicon dioxide compounds.~~

D8 Sub F1 cont.
~~Claim 8. (Twice Amended) Materials with organic and inorganic networks which interpenetrate on a scale of no more than 100 nm and are obtained by a process according to Claim 1.~~

D9
~~Claim 10. (Amended) Use of aerogels comprising producing molded articles or surface coatings with thermal insulation properties, sound absorption properties, adsorption properties, and/or barrier properties against water and/or organic solvents, using aerogels obtained according to the process of Claim 7.~~

~~Claim 11. (Amended) Use of composite materials, comprising producing granulates or molded ceramic articles using composite materials obtained according to the process of Claim 6.~~

D10
~~Claim 14. (Twice Amended). Use of materials comprising using materials of Claim 8 in conjunction with dyes, indicators, receptors, enzymes, and/or biomolecules for medical diagnostics and sensor technology.~~

D11
~~Claim 17. (Amended) Use of materials comprising using materials of claim 9 in conjunction with dyes, indicators, receptors, enzymes, and/or biomolecules for medical diagnostics and sensor technology.~~

DH
Cont

Claim 18. (Amended) Use of a molded article or surface coating comprising using a molded article or surface coating of claim 12 in conjunction with dyes, indicators, receptors, enzymes, and/or biomolecules for medical diagnostics and sensor technology.

Claim 19. (Amended) Use of a molded article or surface coating comprising using a molded article or surface coating of claim 15 in conjunction with dyes, indicators, receptors, enzymes and/or biomolecules for medical diagnostics and sensor technology.

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